# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

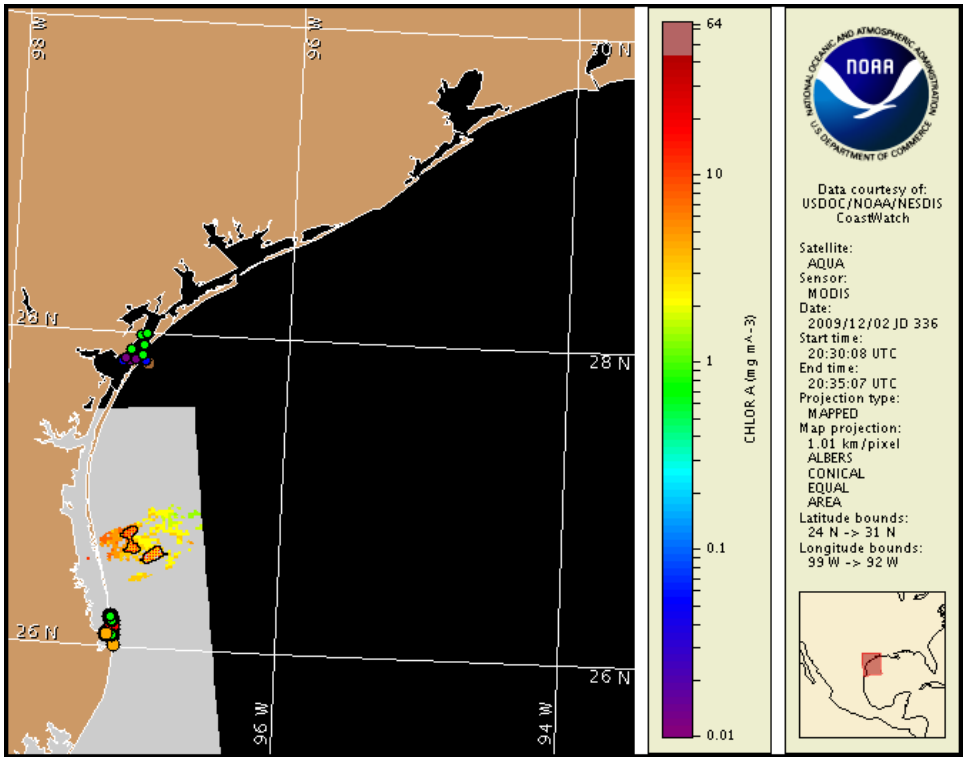
3 December 2009

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: November 24, 2009




Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from November 23 to December 3 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

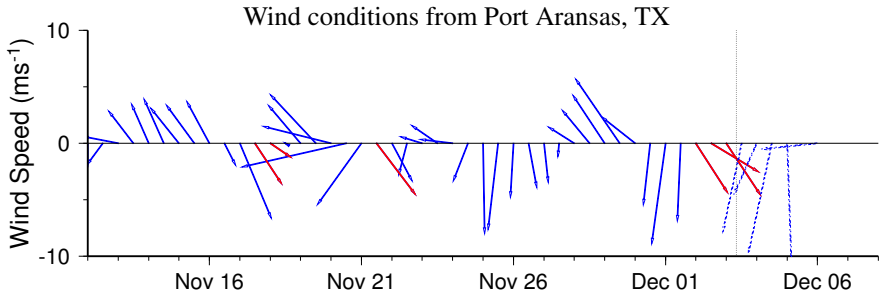
## Conditions Report

A harmful algal bloom continues along South Padre Island. Very low impacts are expected through Saturday.

## Analysis

Due to cloudy imagery, analysis of bloom extent is still unavailable. However, two small anomalous features are observed stretching offshore Port Mansfield Channel. Cell concentrations were very low on 12/2 at the UTMSI pier, portions of Redfish Bay, Corpus Christi Bay, and at Island Mooring. An overflight on 12/3 indicated that the the Gulf of Mexico looked clear of any discolored water or evidence of red tide except for some extremely small patches of discolored foam along the 40 to 50 mile marker area of Padre Island National Seashore, which may be associated with the feature shown in the imagery. The coastline looked clear as well, with just some streaking observed in Port Isabel. Transport is expected to be southerly, and therefore should prevent any northern extension of the bloom through Thurs.

-Tomlinson, Stumpf




Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

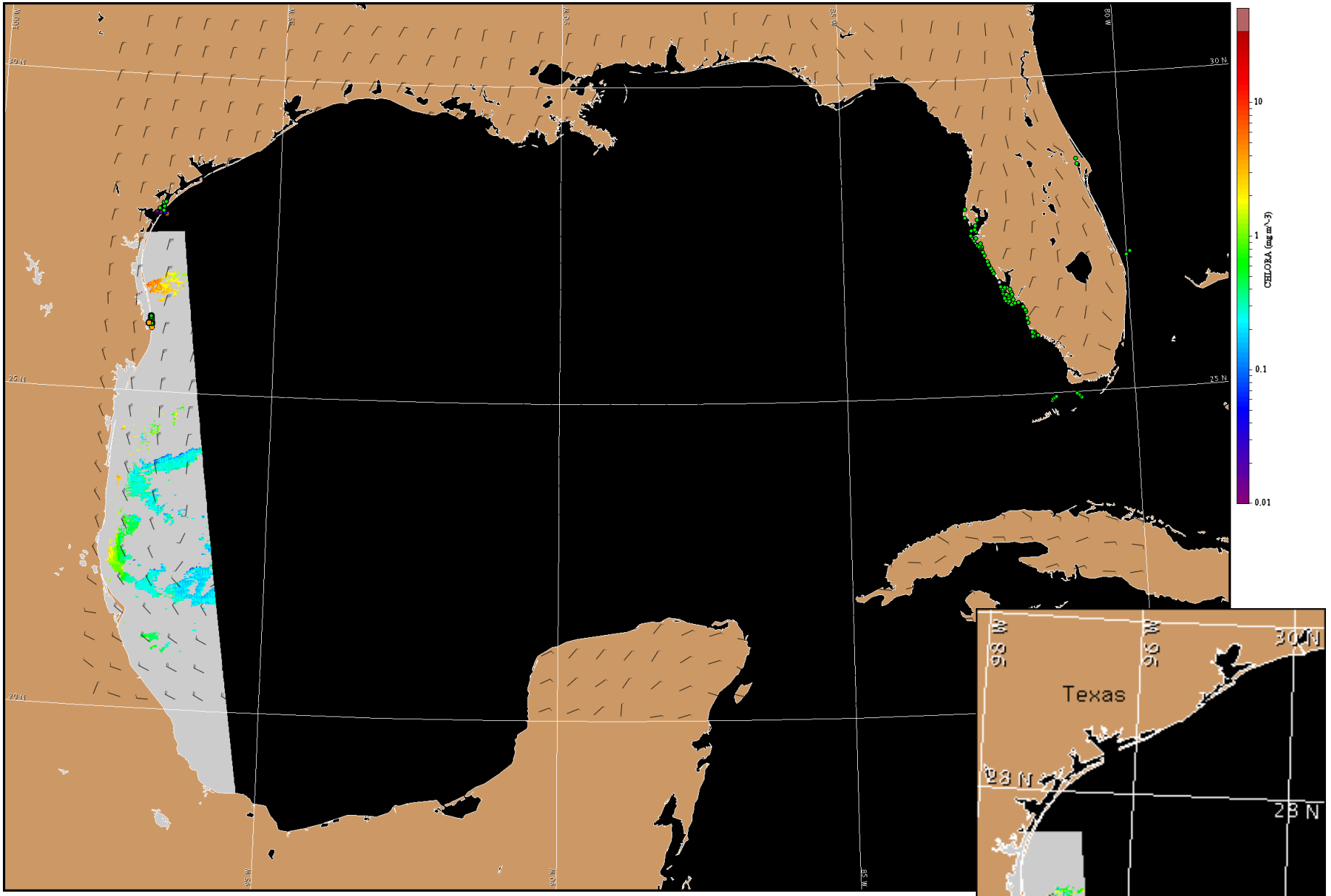
## Wind Analysis

Moderate northwest to northerly winds (10-20 knots) are expected through Saturday.

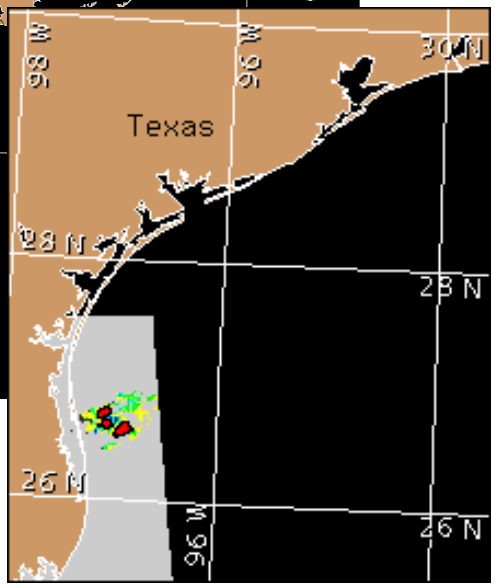
Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm




Satellite chlorophyll image and forecast winds for December 4, 2009 12Z with Cell concentration sampling data from November 23 to December 3 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf




Verifi ed and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).